Met Office Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Friday 21 Apr 2023 until 23:59 on Saturday 22 Apr 2023

Forecast Issued on Friday 21 Apr 2023 at 05:17

Confidence: High for main theme of transition to more unsettled conditions, low for rain and shower detail.

Headline for Friday 21 Apr 2023: Turning unsettled, rather cloudy and windy. Rain perhaps edging northwards into the area at times.

Mountain weather hazards on Friday 21 Apr 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny intervals	Sunny intervals	Cloudy	Light rain showers	Light rain	Heavy Rain
Precipitation probability					
<05%	<05%	20%	40%	60%	70%

Forecast for Friday 21 Apr 2023

Weather: Variable cloud at first with some bright or sunny intervals but cloud soon thickening ahead of a heavier and more prolonged period of rain edging slowly northwards across the south of the Park during the afternoon. This will be coupled with strong winds and poor visibility to present more hazardous conditions on the slopes than of late. Once set in, the rain may persist for much of the remainder of the day, although there is low confidence in how far north the rain will get, and some waxing and waning is likely within this. It may remain largely dry in the north of the area.

Chance of cloud-free hill tops above 600m: 40%, increasing to 80% during the morning. Lowering from the south to 20% later.

Low Cloud and visibility: Generally good, but with significant deterioration likely. Low cloud above 400 metres during the morning, perhaps rising to 600 before perhaps falling to near valley floors into the evening in association with persistent rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Friday 21 Apr 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	26/33 NE	32/40 NE	34/43 E	30/40 E	22/30 E	16/22 NE	16/22 NE
300	11/29 NE	20/41 NE	20/41 E	20/39 E	15/31 E	11/23 NE	9/21 NE
Valley	9/25 NE	13/33 NE	13/32 NE	13/32 E	7/18 NE	8/17 NE	6/18 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/-2	6/0	7/1	6/1	5/-0	4/-1	4/-1
300	6/3	10/6	12/8	10/7	8/4	7/3	6/4
Valley	8/6	12/10	14/12	13/10	10/9	8/6	8/6
Freezing Level*	1600m	1700m	1700m	1700m	1600m	1500m	1400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Continued strong winds will be coupled with rain and more prolonged low cloud than of late to give a more significant risk of windchill and navigational difficulties.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Fri 21 Apr 2023	0mm	0mm	0mm

Forecast for Saturday 22 Apr 2023

Weather: High uncertainty in details – keeping abreast of the latest forecast advised. Most likely wet at first, with extensive low cloud. Rain probably easing and cloud clearing to bright or sunny spells, with scattered, locally heavy showers through the afternoon. Showers pose a risk of hail and thunder. Showers then easing into the evening. Lighter winds than of late.

Maximum wind: East or north-easterly 20mph, becoming variable 10-15mph, perhaps westerly later.

Chance of cloud-free hill tops above 600m: 20% at first, then perhaps 60% later, but detail elusive.

Low Cloud and visibility: Risk of extensive low cloud to around 400 metres at first, lifting and breaking later, but patches of lower cloud above 600m in any afternoon showers. Moderate visibility improving good.

Temperature: **Valleys:** Plus 3 becoming Plus 13 Celsius.
At 600m: Plus 7 Celsius.
Freezing level: Above the summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.